

Figure 1a

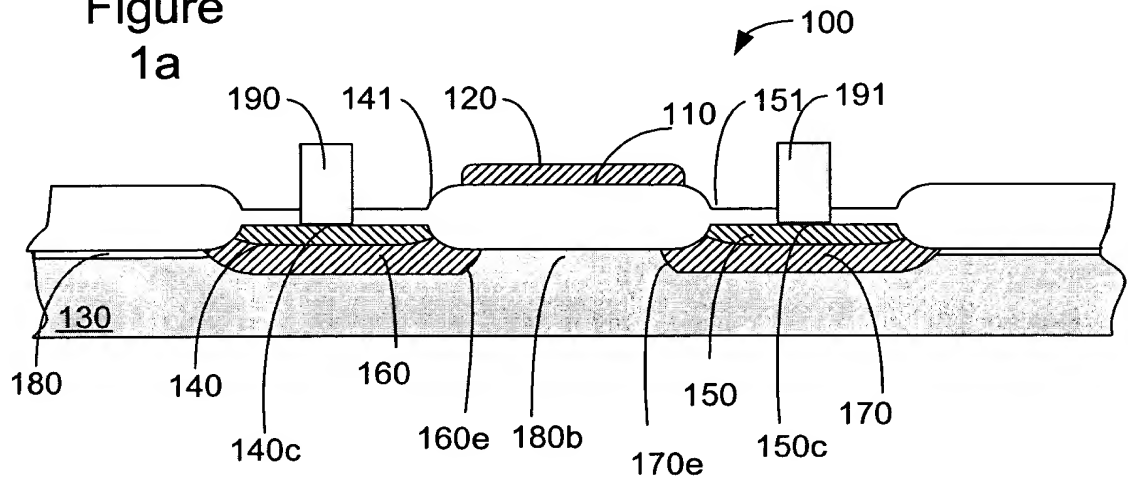
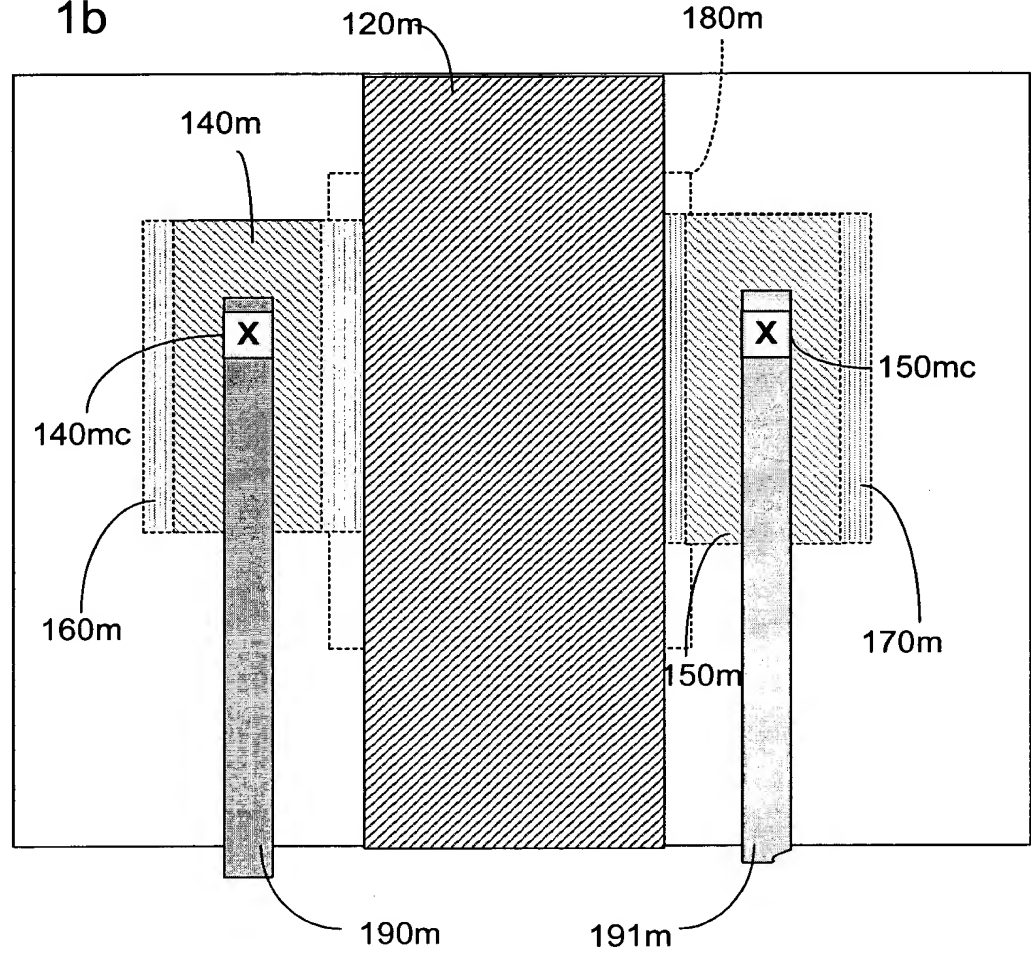


Figure 1b



0944830 DEB-H660

Title: HIGH VOLTAGE INTEGRATED CIRCUIT AMPLIFIER
 Applicant: A. Lemkin
 Appl. No.: Unknown
 Filing Date: August 31, 2001
 Express Mail No.: EL 901 895 821 US

Docket: AIMI-01841US0
 Atty: Larry E. Vierra
 Phone: (415) 369-9660

107580" 08344660

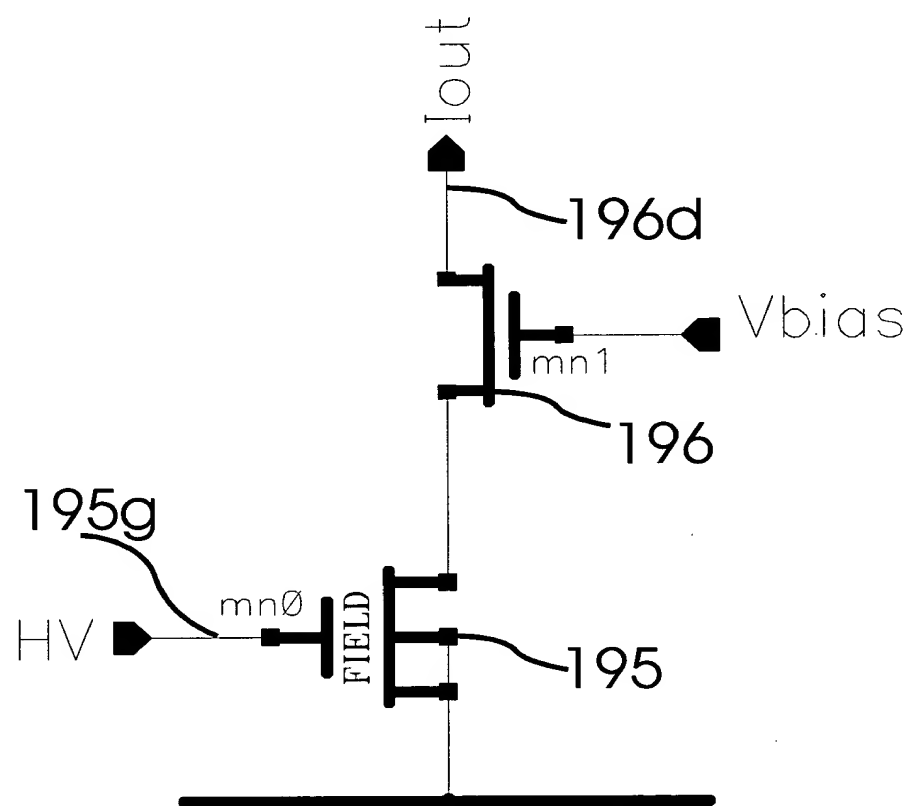


Figure 2a

TO: EPO DEPT 1560

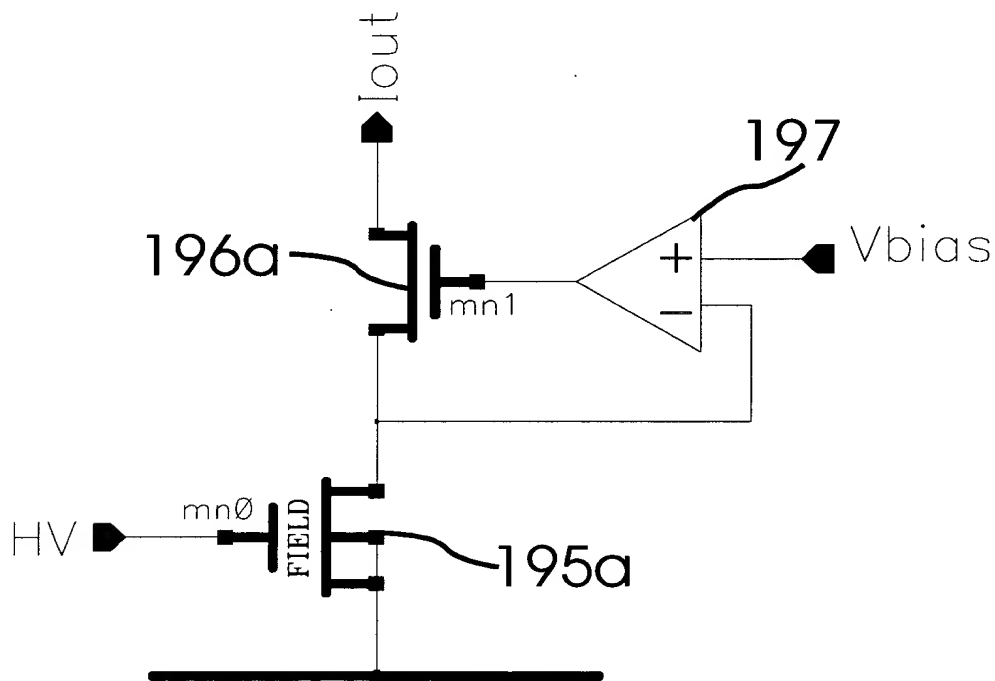
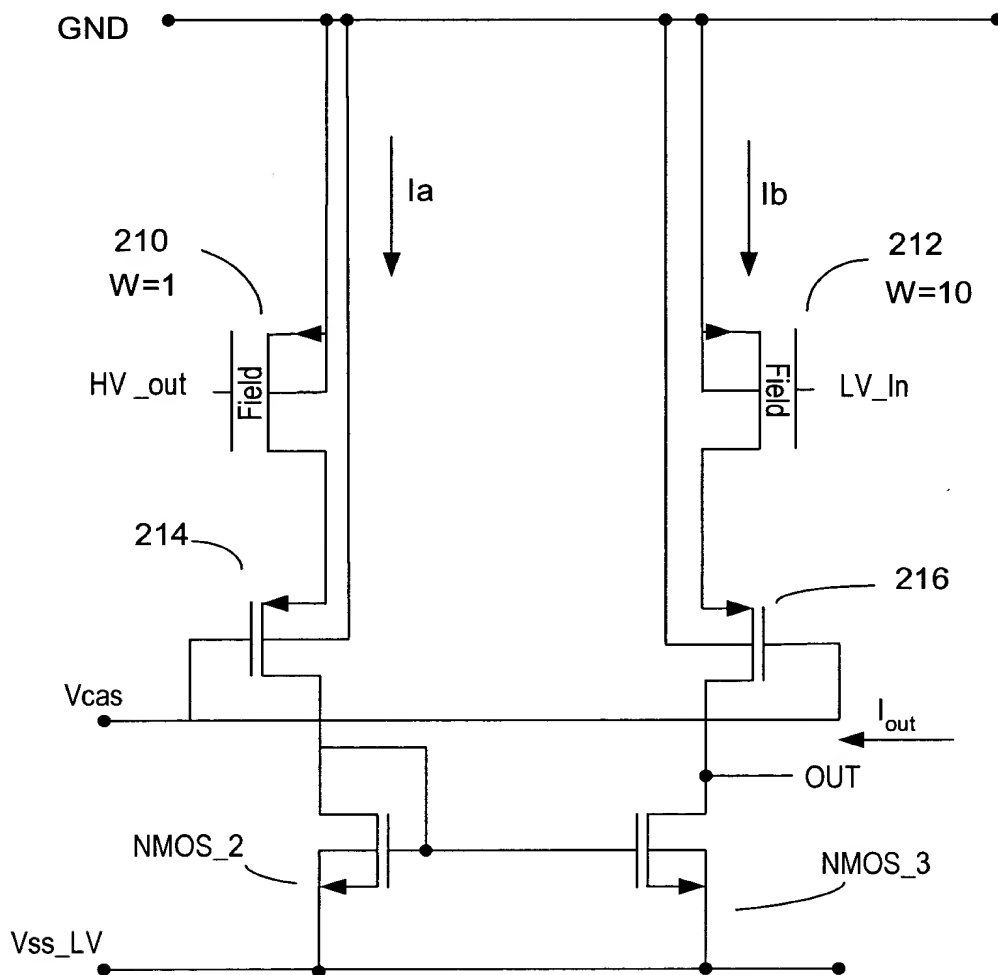


Figure 2b

FIGURE 3

200

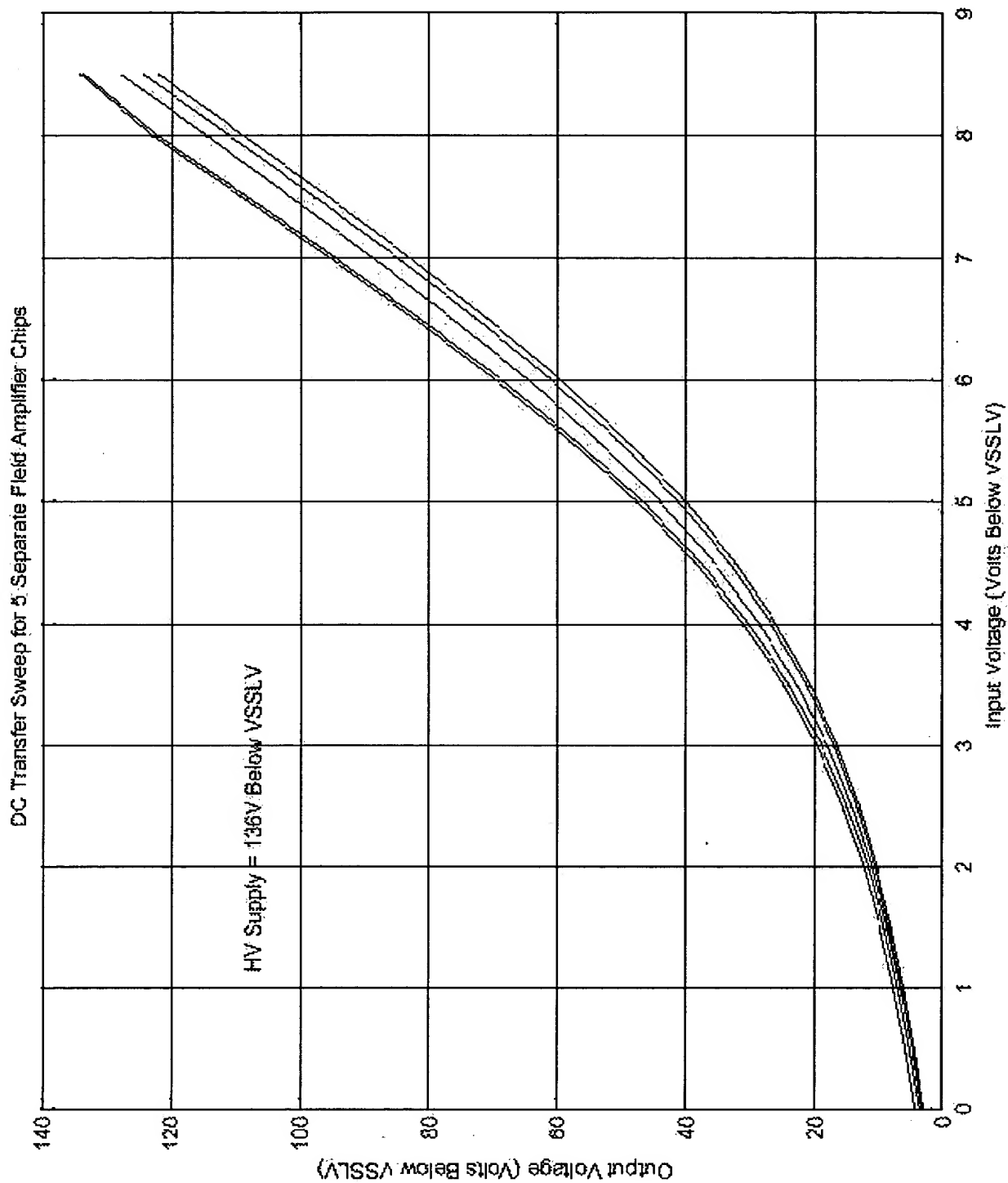


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Figure 4b



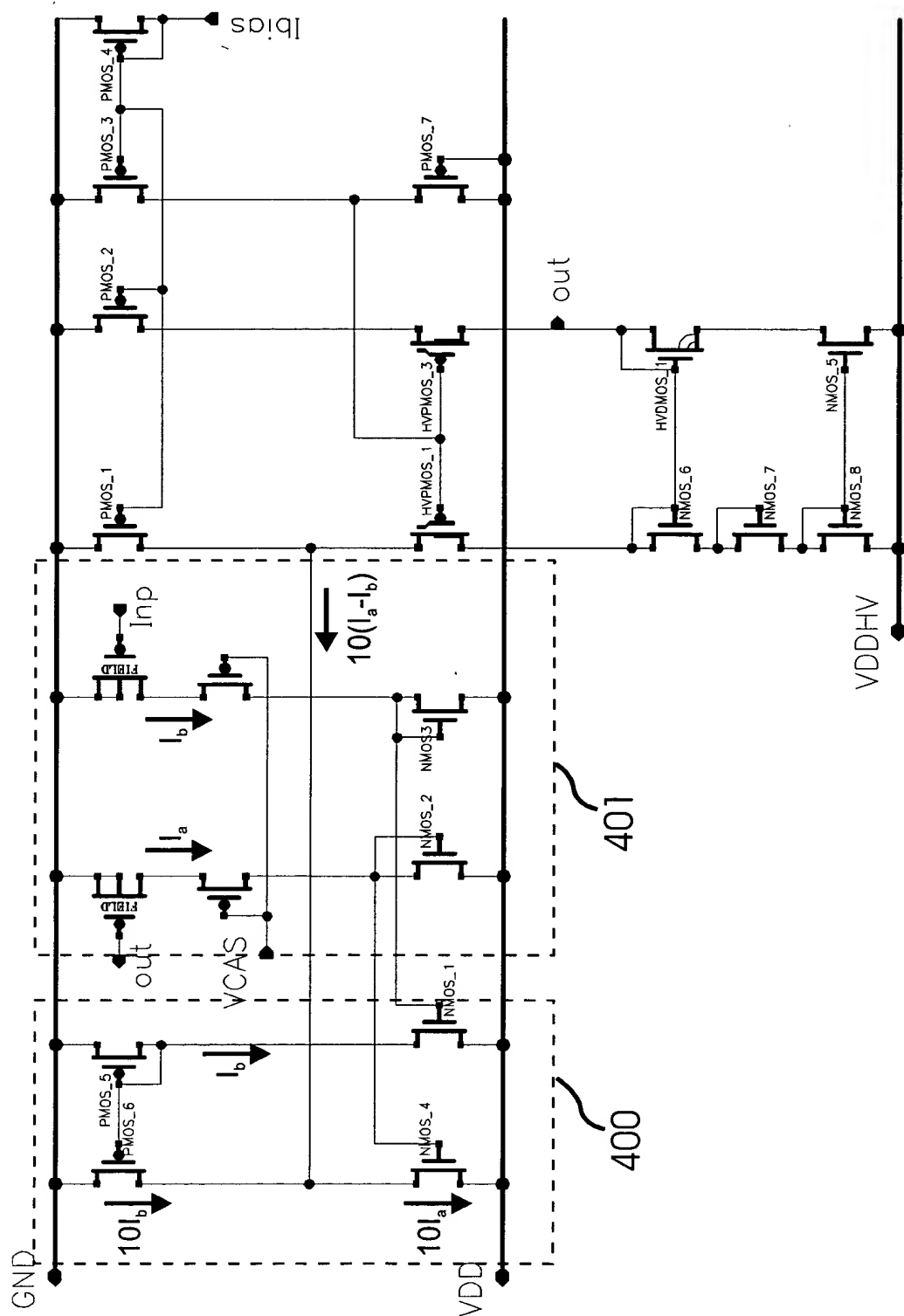


Figure 5

Parameter	Unit	Value
Temperature	°C	25.0
Pressure	atm	1.0
Flow rate	L/min	1.0
Concentration	g/L	0.1
pH		7.0
Time	min	10
Distance	cm	10
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2.0
Volume	L	1.0
Mass	g	0.1
Area	cm ²	1.0
Length	cm	1.0
Width	cm	1.0
Height	cm	1.0
Depth	cm	1.0
Radius	cm	1.0
Diameter	cm	2

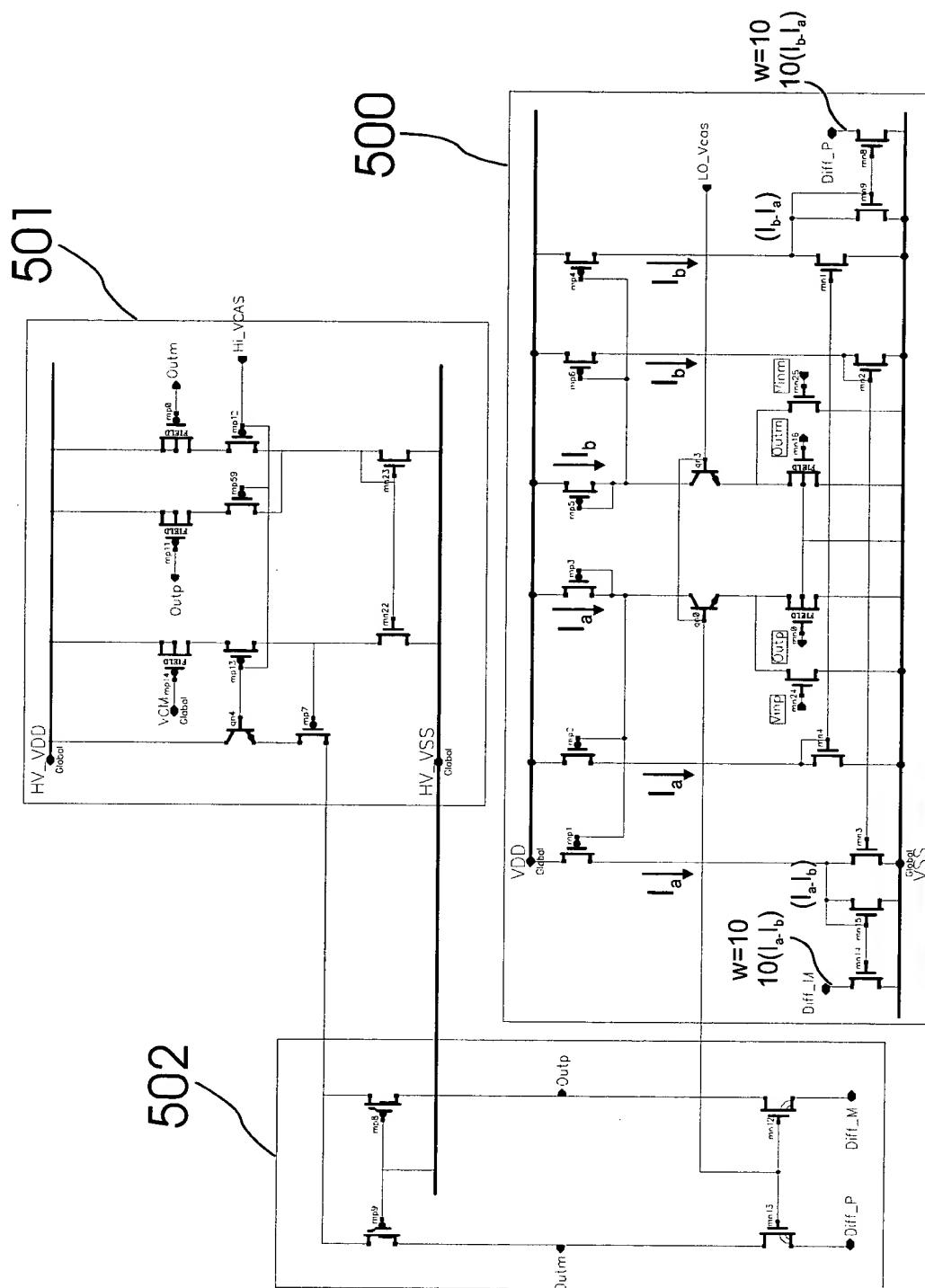
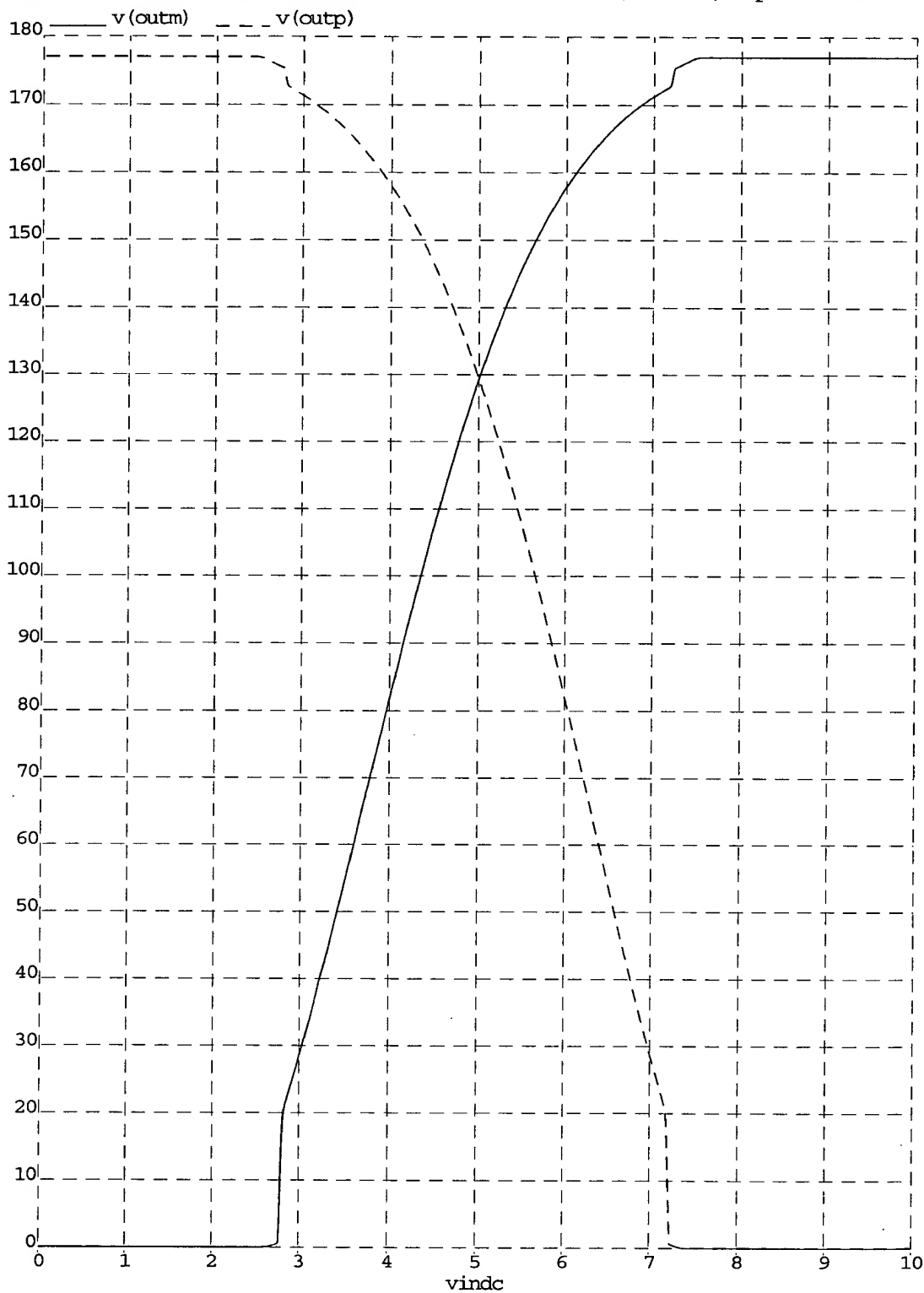


Figure 6

Figure 7

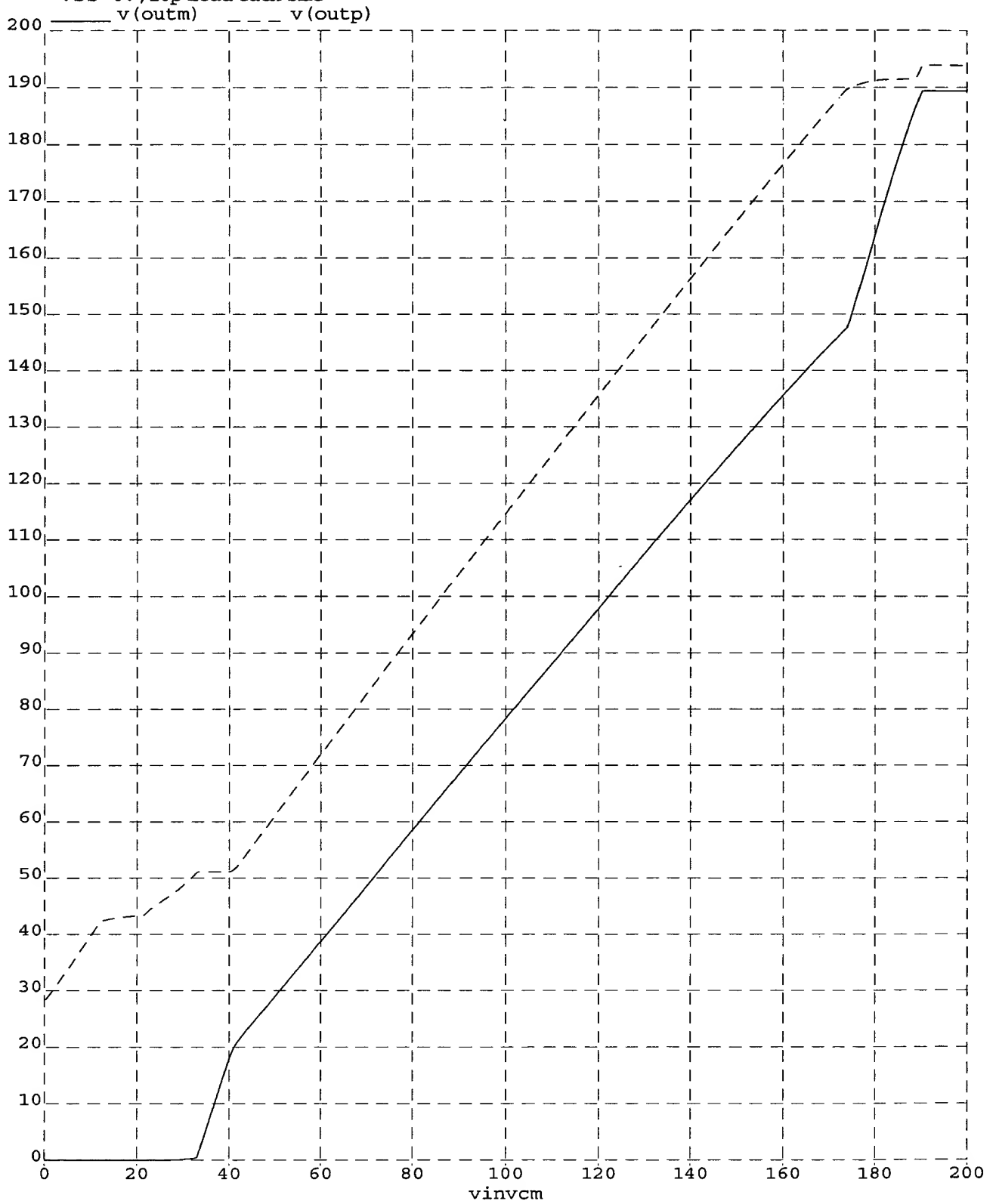
$V_{cm} = 130$, $HVDD = 200V$, $HVSS = 190$, $HVCAS = 195$, $VDD = 10V$, $VSS = 0V$, 10p Load each side



TOP SECRET

Figure 8

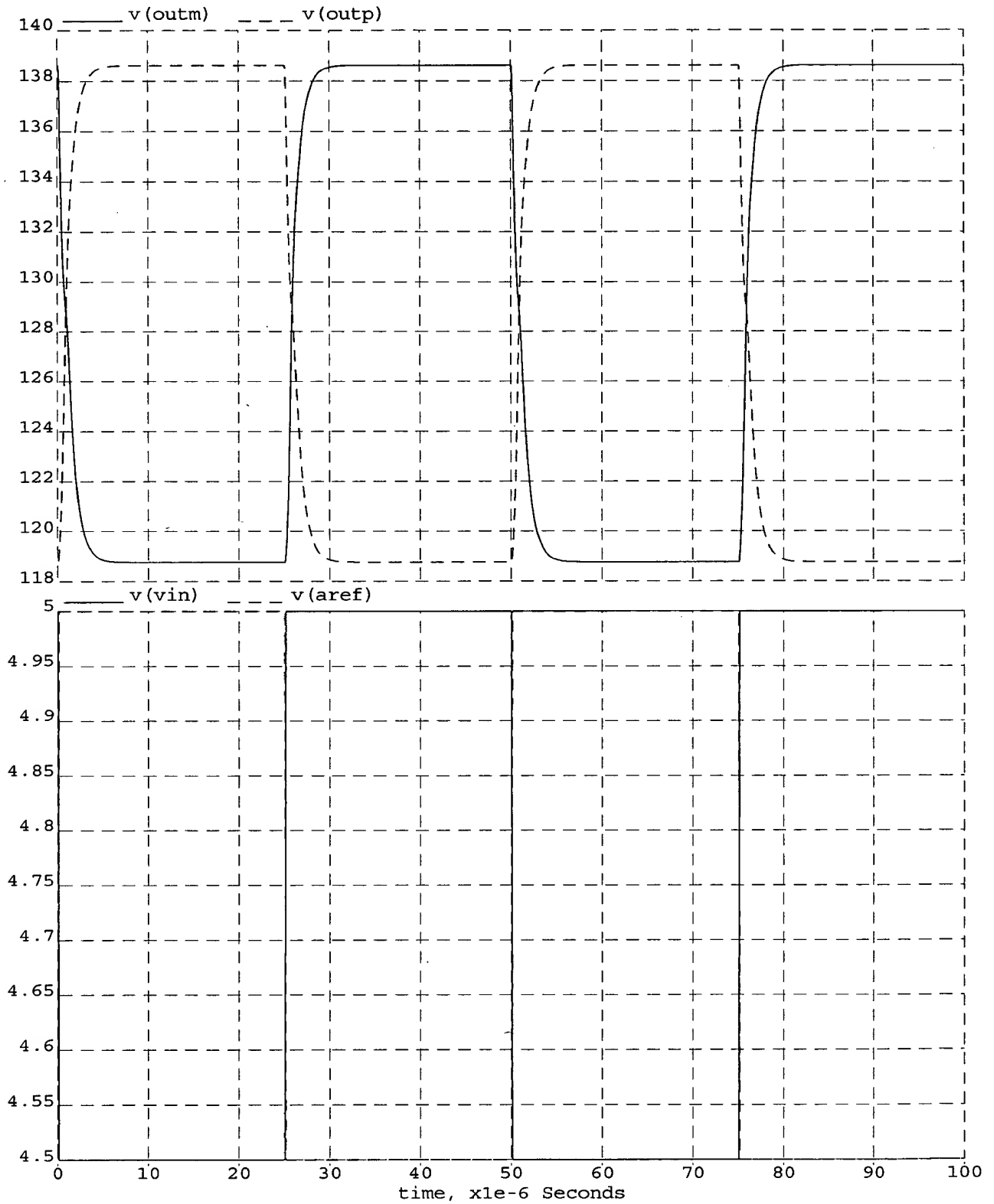
$V_{in}=4.5$, $V_{AREF}=5.5$, V_{cm} Varies, $HVDD = 200V$, $HVVSS=190$, $HVCAS=195$, $VDD=10V$,
 $VSS=0V$, 10p Load each side



TESTED 08/14/00

Figure 9

$V_{cm} = 130$, $HVDD = 200V$, $HVVSS = 190$, $HVCAS = 195$, $VDD = 10V$, $VSS = 0V$,
 10p Load each side



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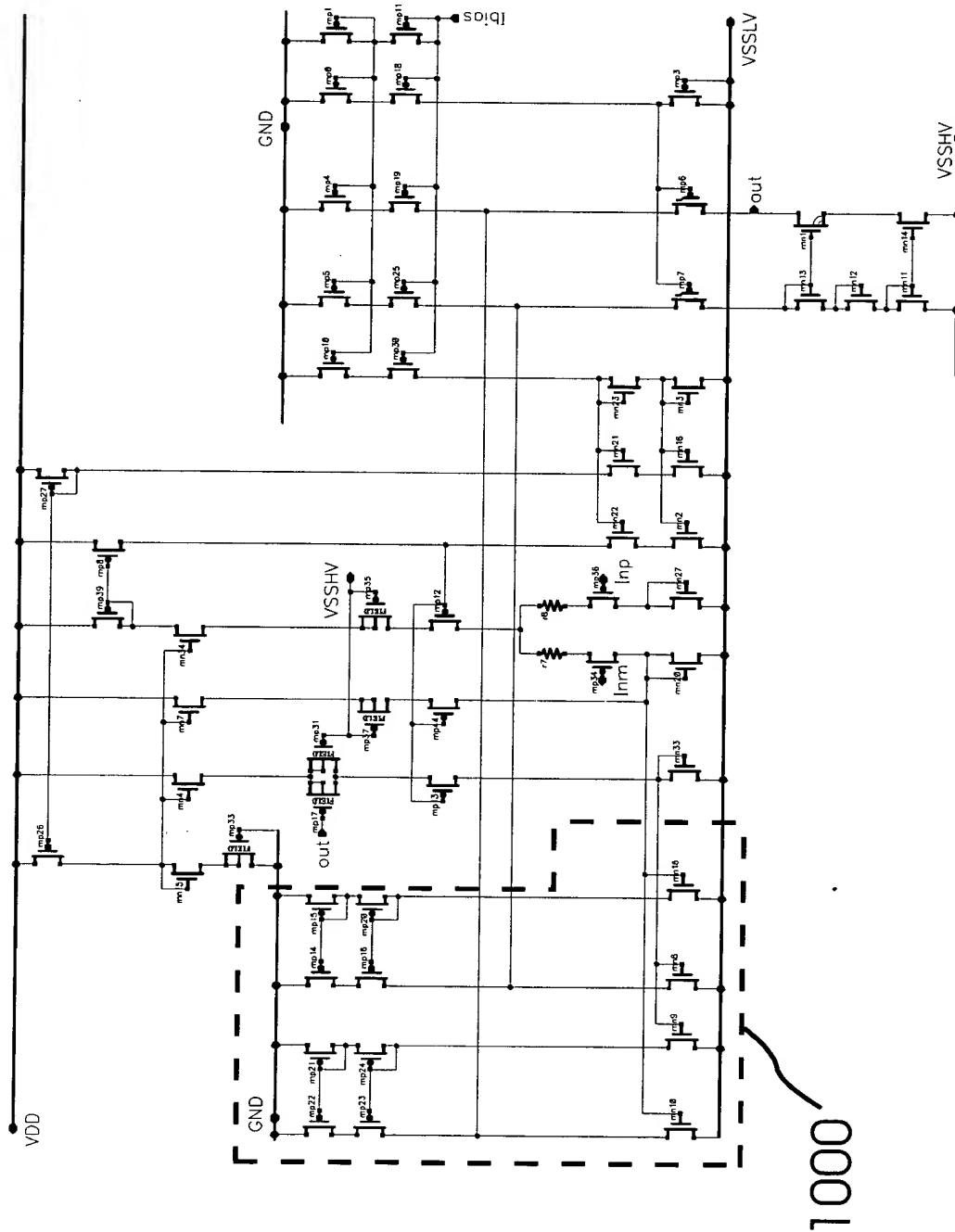


Figure 10